

Moreover, to add to possible confusion, the circle indicating variability is placed round the wrong star in the U.A. Map, viz. No. 227 (U.A.) *Carinae*, a star a little to the S. of the true variable. This error is, however, duly noted in the body of the work.

Combining my result with the data in Mr. Innes's Paper (*Monthly Notices*, vol. lix. p. 570) we get the following :—

1884·23	7·51
1886·2	7·60
1896·4	7·58
1897·2	7·60
1899·5	7·71

It would hence appear that this star, which once (1843) exceeded every star but *Sirius* in brightness, has, for the sixteen years 1883–1889 remained at or about $7^m\cdot6$ with a possible slight tendency to diminish in magnitude.

*Observations of Meteors at the Royal Alfred Observatory,
Mauritius, 1899 November.*

(Communicated by T. F. Claxton.)

The Leonid display witnessed at Mauritius was but meagre, though the results may be of some value as indicating what occurred at this station, whose latitude is $20^{\circ} 5' 39''$ S., and longitude $3^h 50^m 12^s\cdot6$ E.

Watch was kept by three observers on the mornings of November 14 and 15 (from midnight to sunrise), and on the 16th one observer watched at intervals, but saw no meteors.

It is probable that the maximum occurred after sunrise.

On November 14 the Moon set at 2.20 A.M., and at 3.5 A.M. on the 15th.

Until 2 A.M. on the 14th the sky in the neighbourhood of the radiant was occasionally covered with very thin misty clouds through which bright stars only were faintly visible, otherwise the weather on each night was fine and clear.

The zodiacal light was observed on the 14th and 15th. The axis of the cone at 2.30 on each morning appeared to extend from α *Leonis* along a parallel of declination to the horizon, the apex gradually receding from that star as the morning advanced, or, in other words, keeping at an approximately constant altitude. The base stretched for about 20° along the horizon. No pink tinge was distinguishable.

Mauritius (Civil Time).	h.	m.	s.	Appa- rent Size.	Dura- tion in Secs.	Colour.	Train.	From		To		Observer.
								R.A.	Dec.	R.A.	Dec.	
1899. Nov. 14	2	41	14	3	1	Yellow	None	120°	+30°	137°	+28°	C.
	2	59	32	2	1	"	Slight	128	+22	145	+21	C.
	3	8	35	3	1	Bluish white	Broken, 3 secs.	124	+40	120	+44	C.
	3	10	24	3	$\frac{1}{2}$	"	None	147	+13	160	+15	O.
	3	14	54	3	$\frac{1}{2}$	"	"	117	+42	107	+58	C.
	3	23	53	4	1	"	Slight	148	+23	147	+32	C.
	3	25	0	3	1	"	"	115	+18	132	+15	O.
	3	30	22	3	$\frac{1}{2}$	Yellow	"	162	+25	175	+30	C.
Nov. 15	0	26	56	>1	2	Bluish	Red	104°	+39°	118°	+51°	C.
	0	48	9	>1	3	Bluish white	Slight	123	+40	134	+39	C.
	1	28	51	>1	2 $\frac{1}{2}$	"	"	113	+5	144	+3	O.
	2	28	18	2	$\frac{1}{2}$	"	"	128	+4	135	+11	C.
		32	28	2	$\frac{1}{2}$	Bluish	Slight, $\frac{1}{2}$ sec.	142	+11	149	+7	W.
		33	14	1	$\frac{1}{2}$	Bluish white	None	71	+32	68	+43	C.
		45	26	3	$\frac{1}{2}$	Yellow	Slight	150	-11	157	-33	C. & O.
		54	31	2	1	Bluish white	Broken, 1 sec.	120	+27	103	+32	C. & W.
	3	7	31	2	2	"	Slight	163	-17	173	-17	C. & O.
		12	37	2	1	Bluish	"	150	-16	148	-31	W.
		13	38	1	1	Bluish white	"	166	+22	175	+21	C.
		19	48	3	$\frac{1}{2}$	"	"	162	-17	173	-17	C.
		25	54	1	$\frac{1}{2}$	"	"	170	-2	182	-8	C.
		25	59	2	1	"	"	166	-22	166	-30	O.
		30	23	3	$\frac{1}{2}$	Bluish	"	152	-9	165	-24	W.
		32	33	3	1	Bluish white	"	175	-17	186	-26	C.
		34	42	2	1	"	"	180	-16	186	-24	W.
		35	47	2	1	"	"	133	+47	120	+58	C.
		36	22	2	1	Bluish	"	133	+47	120	+58	O.
		43	40	1	1	"	Brilliant	167	-50	172	-61	W.
		49	20	3	$\frac{1}{2}$	Bluish white	None	150	+18	166	+21	C.
		49	30	3	1	"	Train	150	+2	150	-11	W.
		52	1	2	$\frac{1}{2}$	"	Train, 1 sec.	160	+11	170	+4	C.
		55	6	1	1	Bluish	Slight	150	+10	175	+15	O.
		55	58	1	$\frac{1}{2}$	"	Brilliant	185	-15	188	-19	W.
		59	16	2	$\frac{1}{2}$	Bluish white	Bright	160	+9	170	-2	C.
	4	0	46	2	$\frac{1}{2}$	"	Slight	166	+19	178	+15	W.
		9	35	2	1 $\frac{1}{2}$	"	None	170	-2	182	-8	C.
		9	43	1	1	"	Brilliant	150	-45	143	-61	W.
		10	44	1	1 $\frac{1}{2}$	Bluish	Train, $\frac{1}{2}$ sec.	170	-2	182	-8	O.
		13	30	1	$\frac{1}{2}$	Bluish white	Fine	151	-12	126	-23	C.

The initials C., W., O. are those of Mr. Claxton, Mr. Walter, and Mr. Olivier respectively.

Observations of Occultations of Stars by the Moon and of Phenomena of Jupiter's Satellites made at the Royal Observatory, Greenwich, in the Year 1899.

Communicated by the Astronomer-Royal.

Day. 1899.	Phenomenon.	Telescope.	Power.	Moon's Limb.	Mean Solar Time of Observation. h m s	Observer.
Jan. 19	Disapp. μ Arietis	Old Altazimuth	100	Dark	8 4 21.29	P. M.
Feb. 22	Disapp. Piazzi VIII. 106	Sheepshanks Equat.	100	"	12 41 44.13	H.
22	"	Astrographic Equat.	120	"	12 41 43.61	R. C.
22 (a)	Reapp. "	Sheepshanks Equat.	100	Bright	13 50 38.91	H.
April 17	Disapp. 3 Cancri	"	100	Dark	10 44 47.71	R.
May 26 (a)	Reapp. 7 Sagittarii	"	55	"	12 38 53.37	W. B.
26	" 9 Sagittarii	"	55	"	13 15 24.89	W. B.
July 19	" Bradley 2153	"	55	Bright	9 17 16.81	W. S.
19	" 26 Ophiuchi	"	55	"	9 24 38.11	W. S.
Dec. 16	Disapp. B. D. 22° 991	28-inch Equat.	200	Eclipsed	12 16 8.46	W. B.
16	" Lal. 10708-9	Merz 13-inch Equat.	265	"	12 17 2.66	D.
16 (b)	"	Astrographic Equat.	225	"	12 17 2.50	H.
16	"	28-inch Equat.	200	"	12 17 3.13	W. B.
16	"	Sheepshanks Equat.	150	"	12 17 2.81	W.